Duo for
Harp and Percussion
in Polytempic Polymicrotonality

Peter Thoegersen

2019

Legend

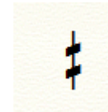
Cimbalom Tuning
12/72tet (16.67 cent intervals)

C = 1/1
C#/Db = 117
D = 183
D#/Eb = 333
E = 417
F = 483
F#Gb = 600
G = 717
G#/Ab = 833
A = 917
A#/Bb = 983
B = 1117

50 String Monochord Tuning
19tet (63 cents) AND 30tet (40 cents)

Middle C = 1/1
C# = 63
Db = 126
D = 189
Eb = 252
D# = 315
E = 378
E# = 441
F = 504
Gb = 567
F# = 630
G = 693
Ab = 756
G# = 819
A = 882
Bb = 945
A# = 1008
B = 1071
B# = 1134

C above Middle C = 1/1

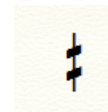


C = 40

C# = 80
Db = 120

C = 160

D = 200

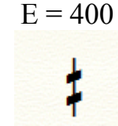


D = 240

D# = 280
Eb = 320

D = 360

E = 400



E = 440

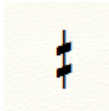
E# = 480
F = 520

E = 560

F# = 600

F = 640

G = 680



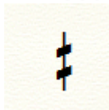
G = 720

G = 760

G# = 800

Ab = 840

A = 880



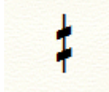
A = 920

Bb = 960

A# = 1000

A = 1040

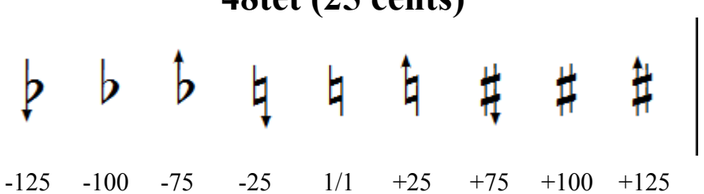
B = 1080

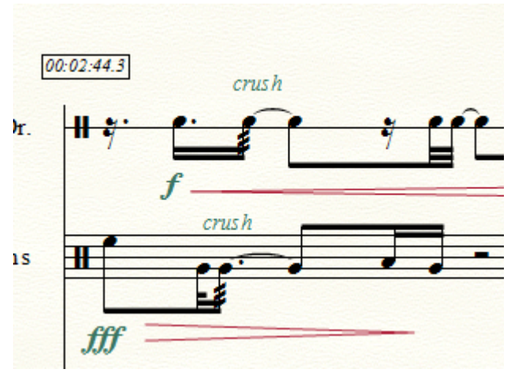


B = 1120

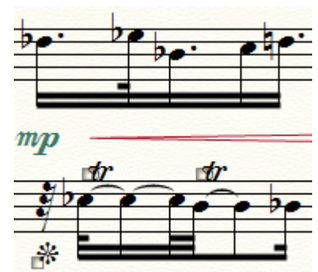
B# = 1160

24 Wine Glasses
48tet (25 cents)





single hand crushes the stick into the drumhead for a short buzz roll



left hand bounces mallet against string, as in a crush roll, while right hand plays melody, to give the illusion of a continuous tremolo/trill

percussion

Duo for Harp and Percussion

in Polytempic Polymicrotonality

all instruments to be arranged in such a way that a single performer be able to access any sound at any instant

Peter Thoegersen

Adagietto ♩. = 75

Cimbalom 12/72 Tet

Bass Drum

Crash Cymbals

00:00:03.2 — sul pont. — p — Ped.

ffff

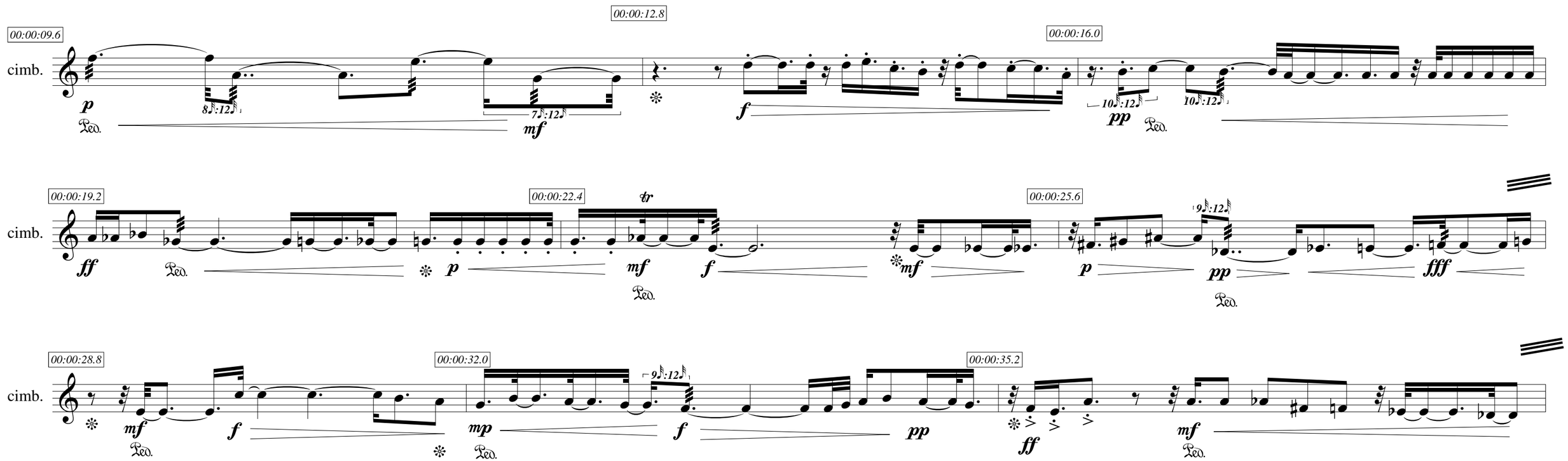
choke

ffff

00:00:06.4 — ord. — 4♪:6♪ — pp — Ped. — espress. — 2♪:3♪ — mp — sul tasto — mf

sul pont. — Ped.

ord. — ≥ — f — Ped.



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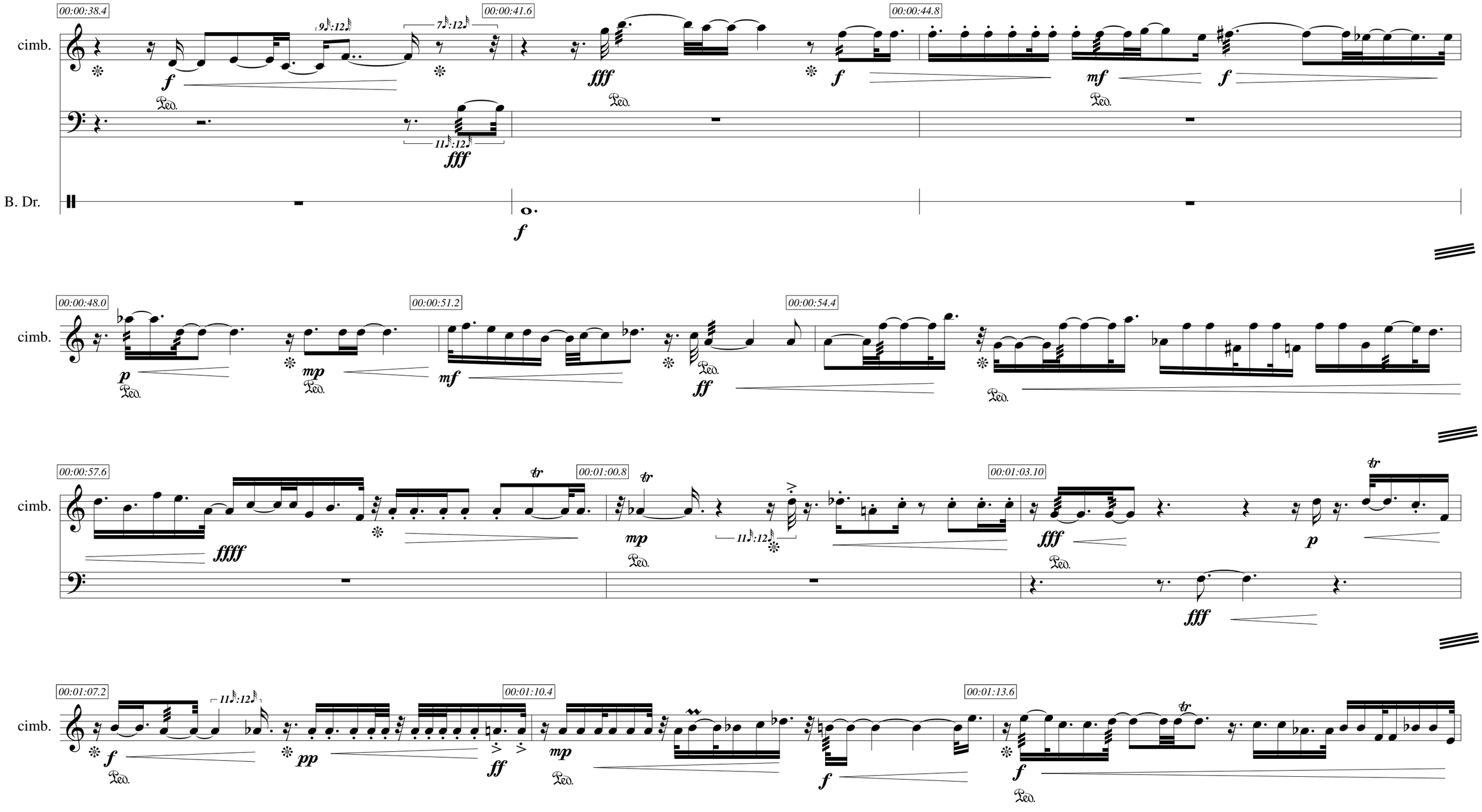
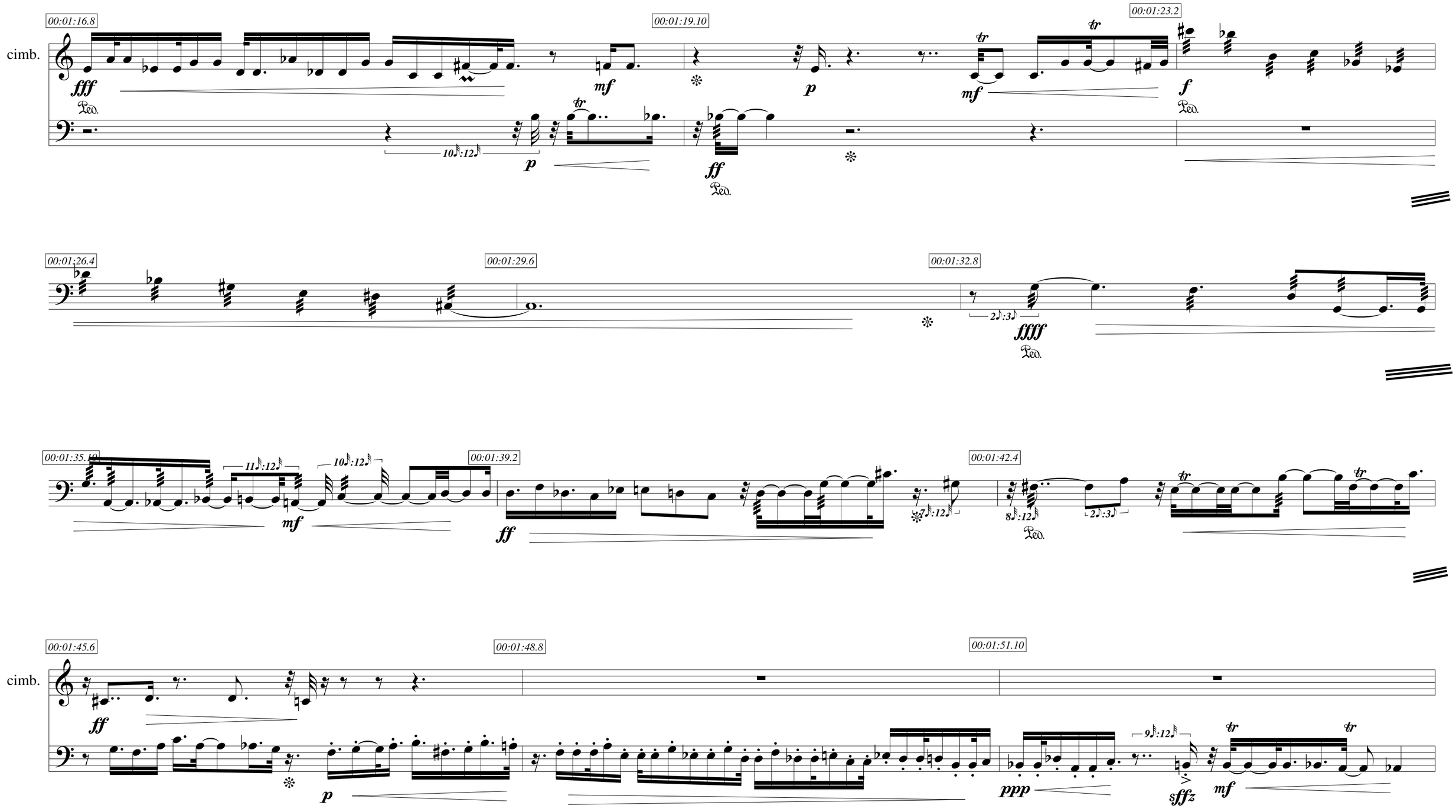
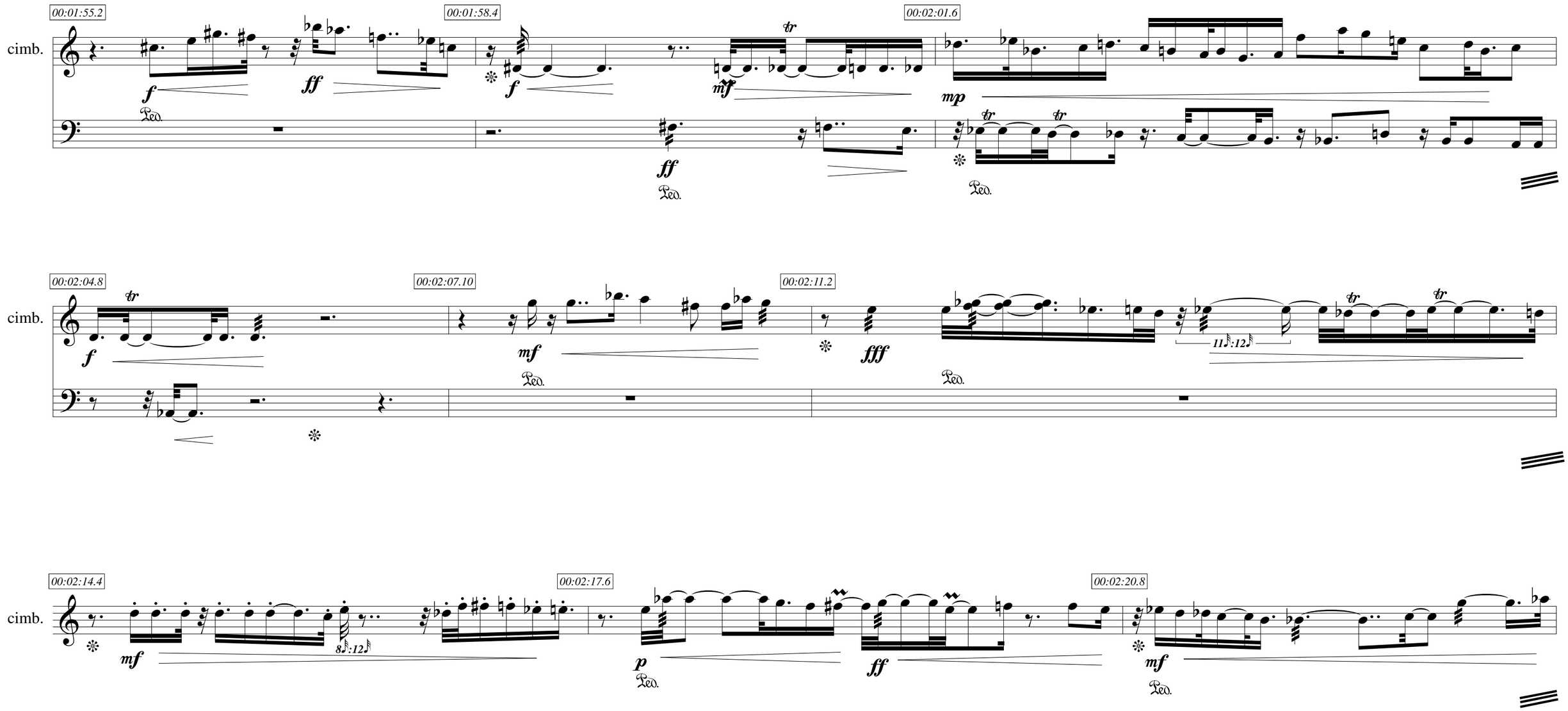
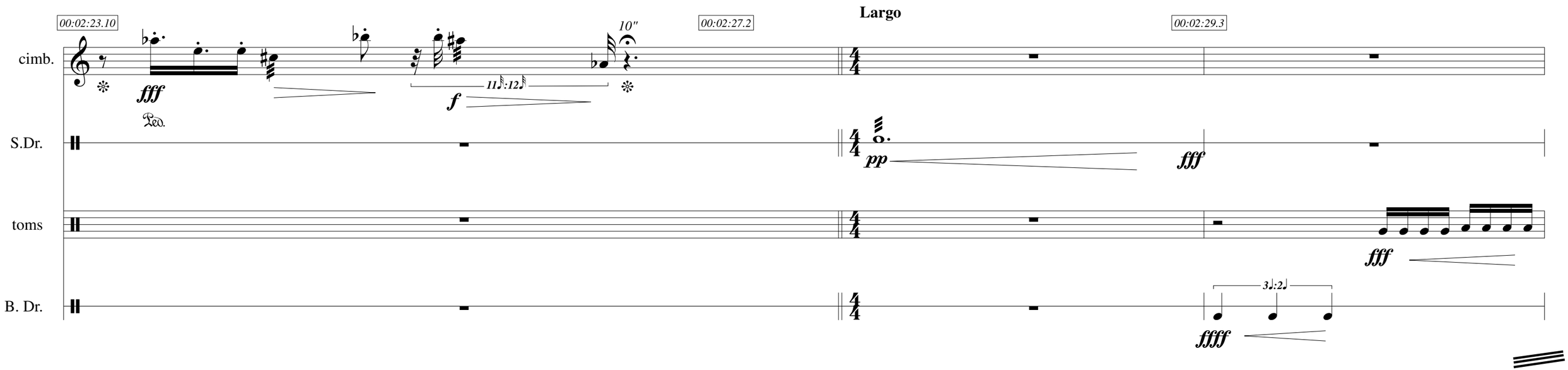
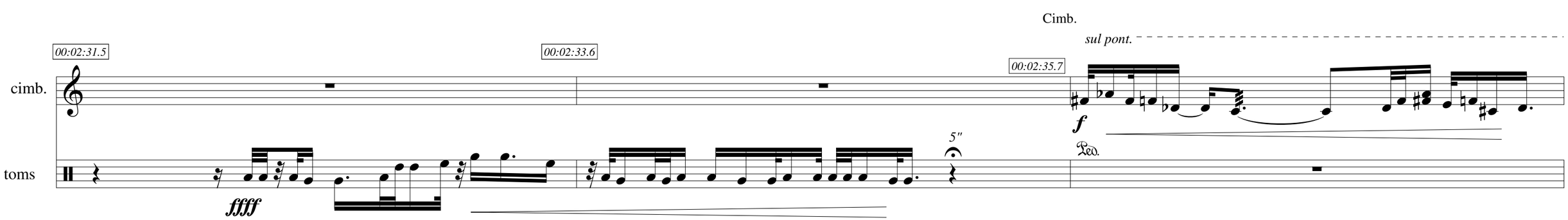
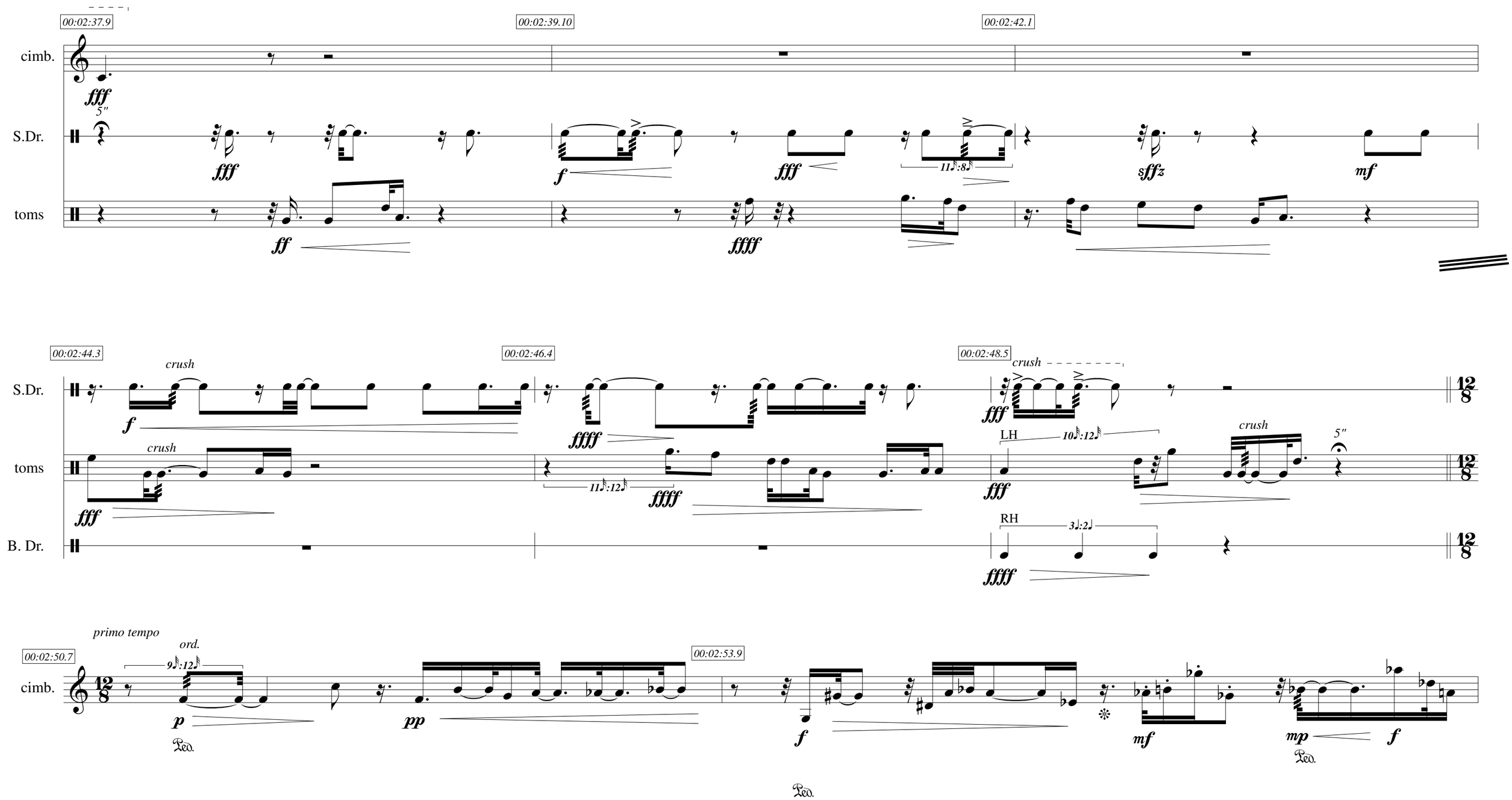

00:00:38.4
00:00:41.6
00:00:44.8
00:00:48.0
00:00:51.2
00:00:54.4
00:00:57.6
00:01:00.8
00:01:03.10
00:01:07.2
00:01:10.4
00:01:13.6
cimb.
B. Dr.

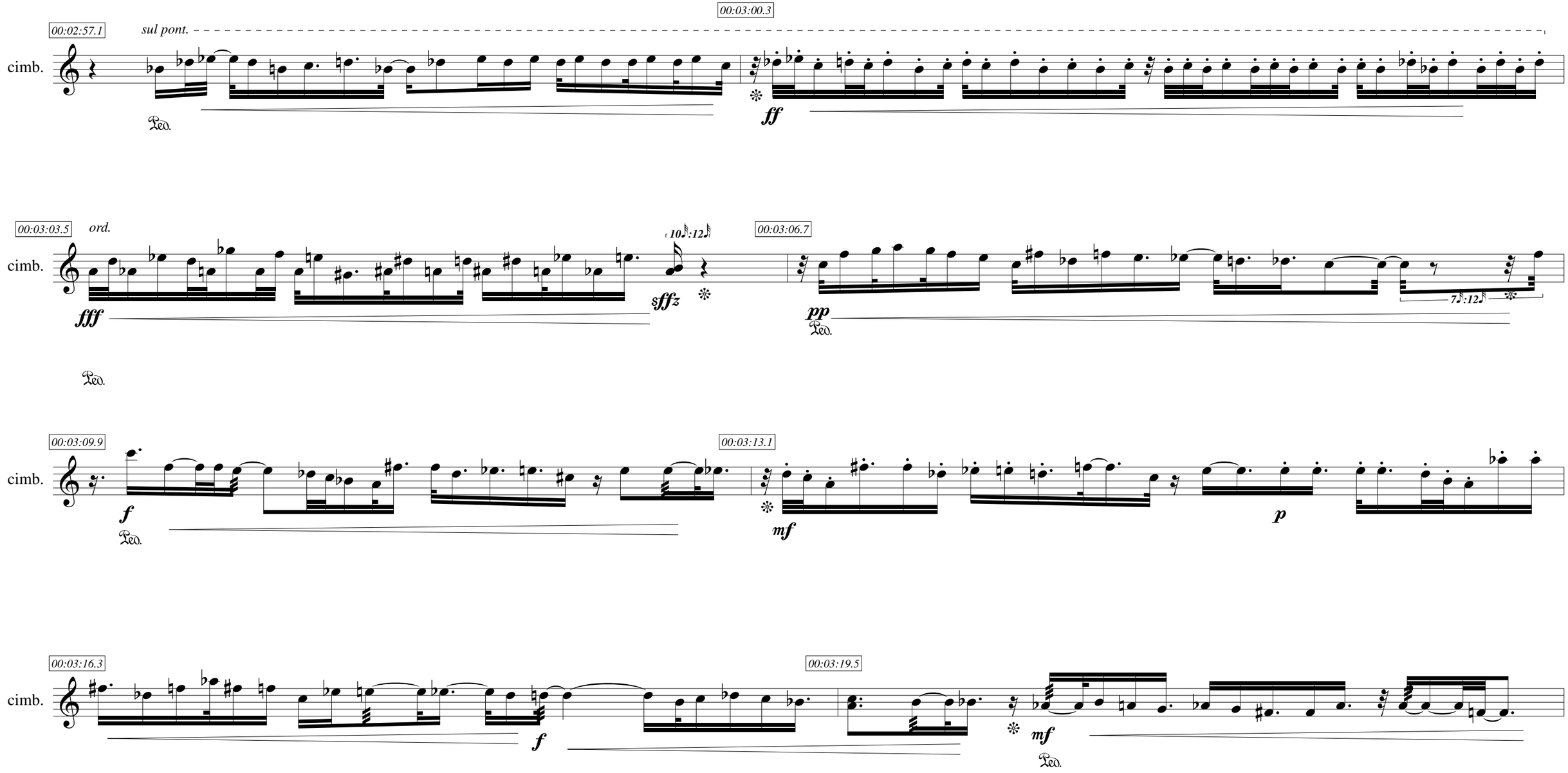

cimb.
00:01:16.8
fff
Ped.
mf
00:01:19.10
p
mf
00:01:23.2
f
Ped.
10:12
p
ff
Ped.
00:01:26.4
00:01:29.6
00:01:32.8
2:3
ffff
Ped.
00:01:35.10
11:12
10:12
mf
00:01:39.2
ff
7:12
00:01:42.4
8:12
Ped.
2:3
cimb.
00:01:45.6
ff
00:01:48.8
p
00:01:51.10
ppp
9:12
sffz
mf

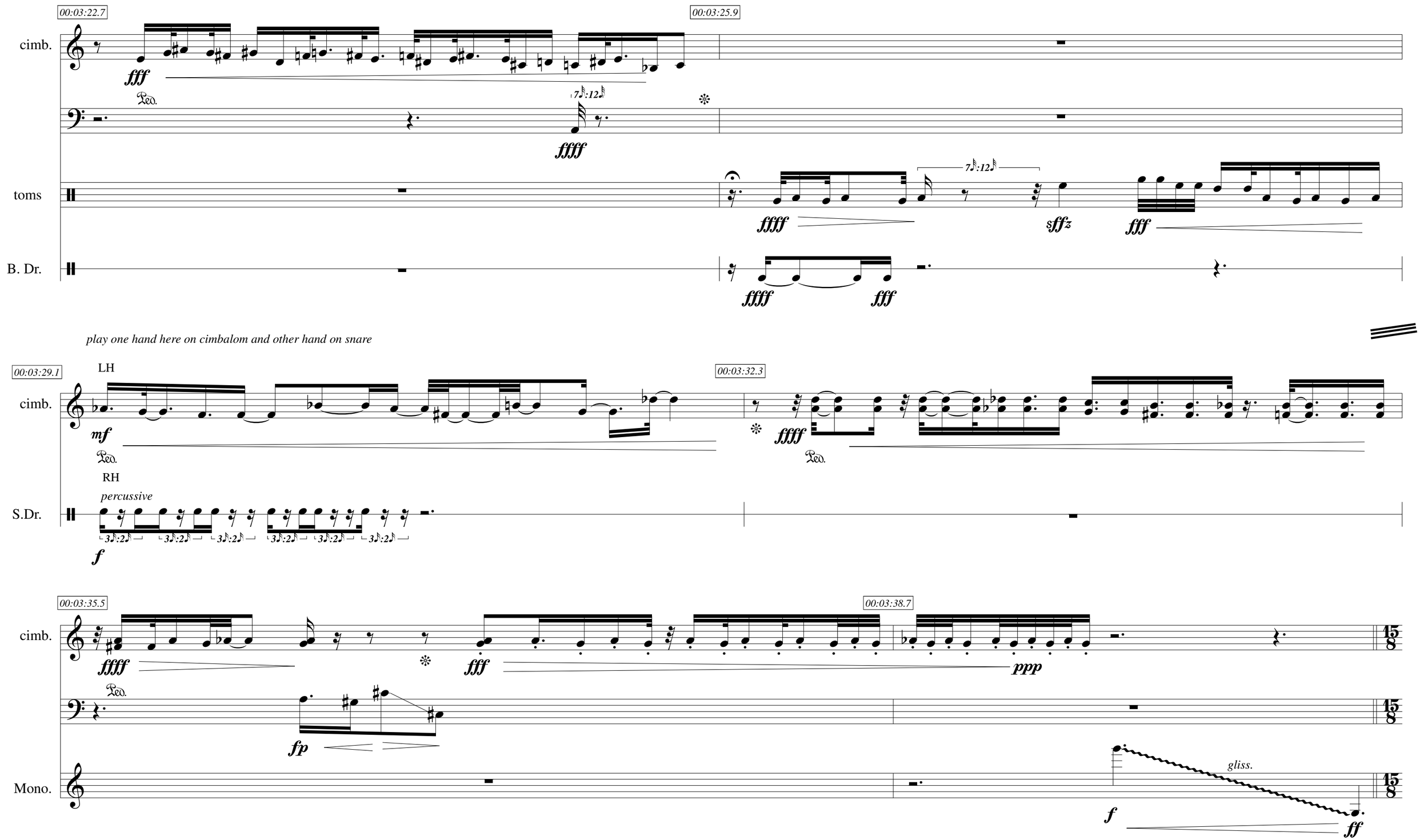

00:01:55.2
00:01:58.4
00:02:01.6
cimb.
f
ff
f
mf
mp
ff
00:02:04.8
00:02:07.10
00:02:11.2
cimb.
f
mf
fff
11:12
00:02:14.4
00:02:17.6
00:02:20.8
cimb.
mf
8:12
p
ff
mf


00:02:23.10
Largo
00:02:27.2
00:02:29.3
cimb.
S.Dr.
toms
B. Dr.
fff
Ped.
11𝅘𝅥𝅯:12𝅘𝅥𝅯
f
10"
pp
fff
fff
3♩:2♩
ffff

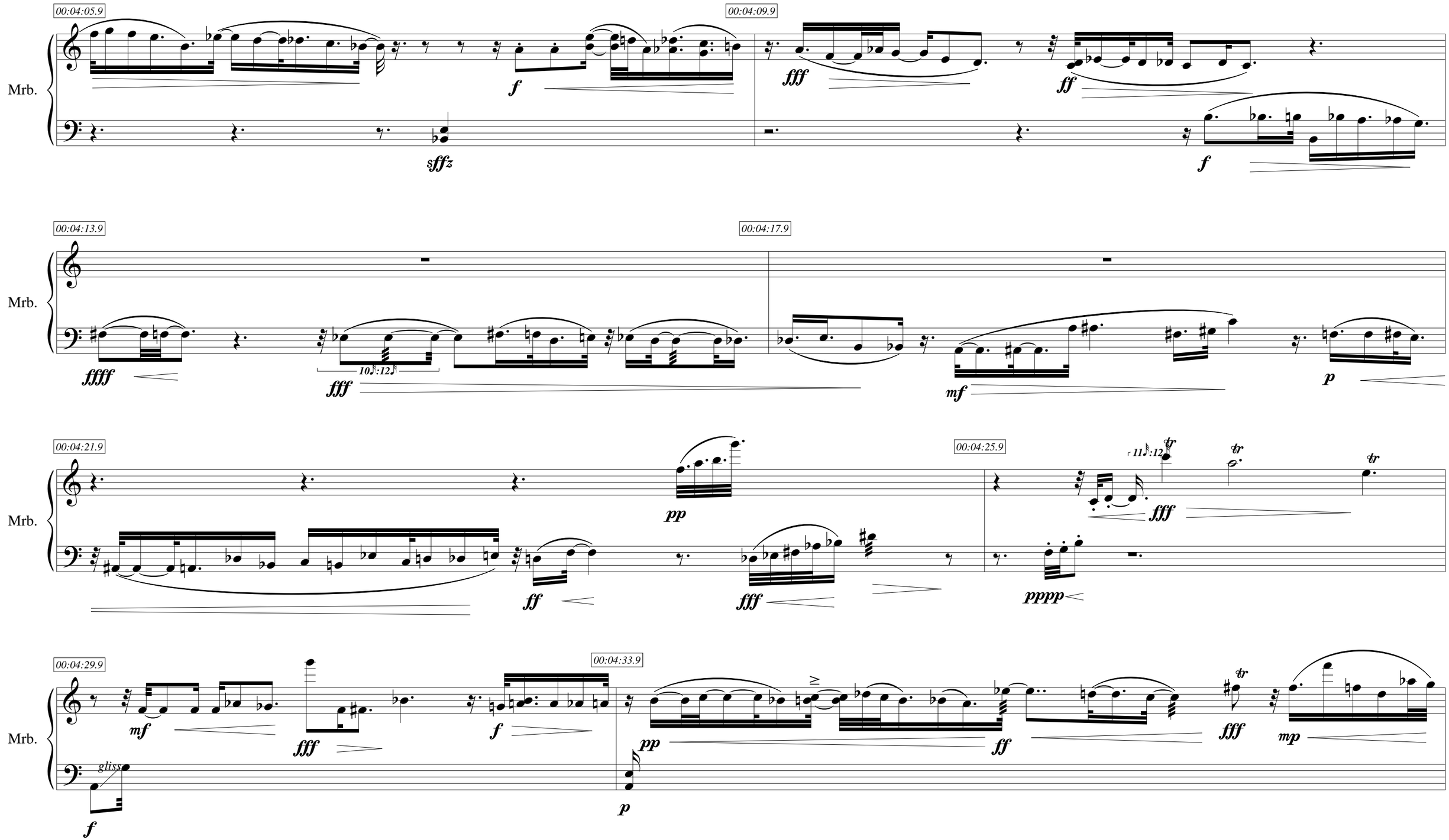

00:02:31.5
00:02:33.6
00:02:35.7
Cimb.
sul pont.
cimb.
toms
ffff
5"
f
Ped.

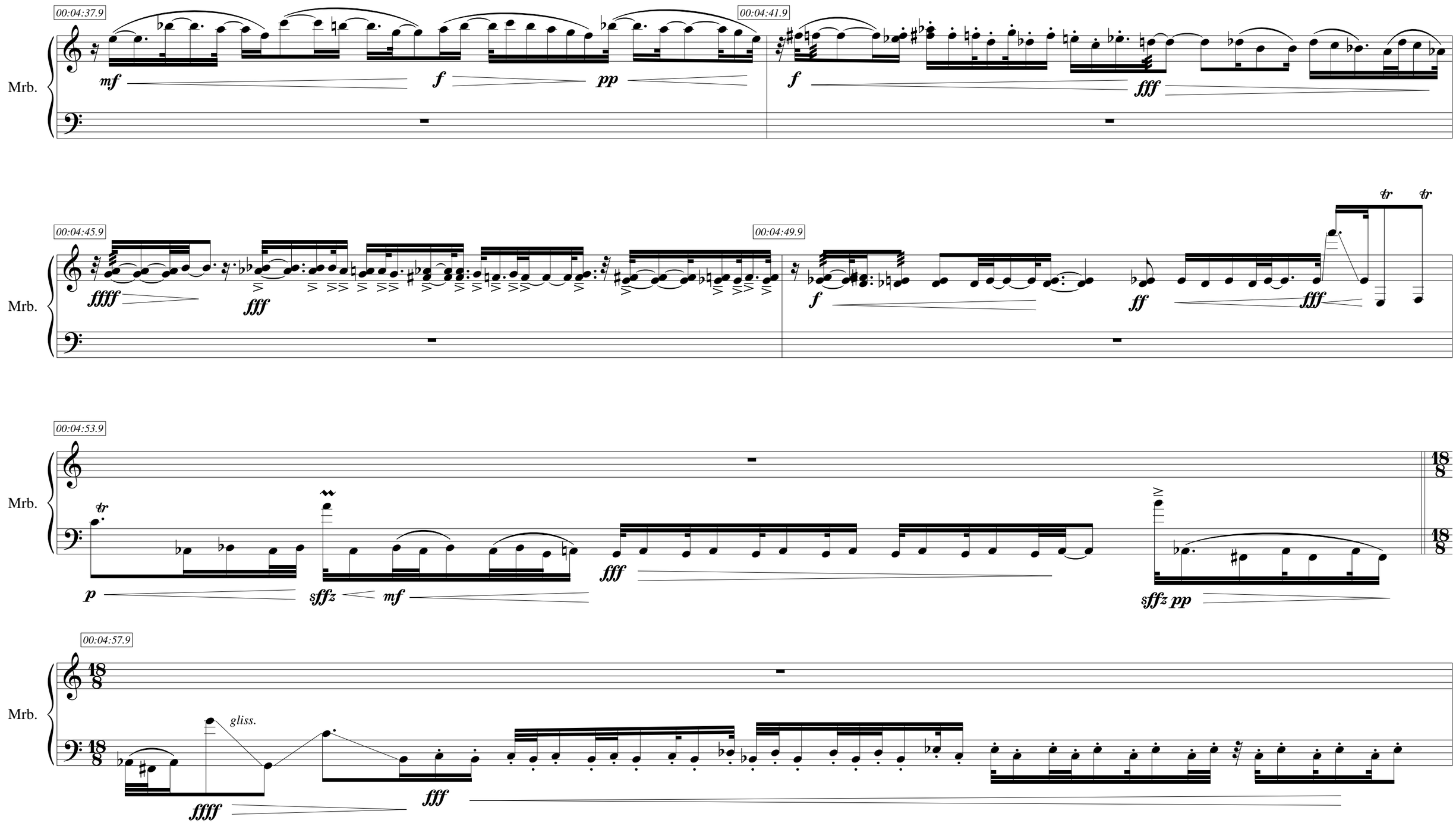

00:02:37.9
00:02:39.10
00:02:42.1
cimb.
S.Dr.
toms
fff
5"
fff
f
fff
11𝅘𝅥𝅮:8𝅘𝅥𝅮
sffz
mf
ff
ffff
00:02:44.3
00:02:46.4
00:02:48.5
crush
S.Dr.
toms
B. Dr.
f
ffff
fff
LH
10𝅘𝅥𝅮:12𝅘𝅥𝅮
5"
11𝅘𝅥𝅮:12𝅘𝅥𝅮
RH
3𝅗𝅥:2𝅗𝅥
12/8
primo tempo
ord.
00:02:50.7
00:02:53.9
cimb.
9𝅘𝅥𝅮:12𝅘𝅥𝅮
p
pp
f
mf
mp
Ped.

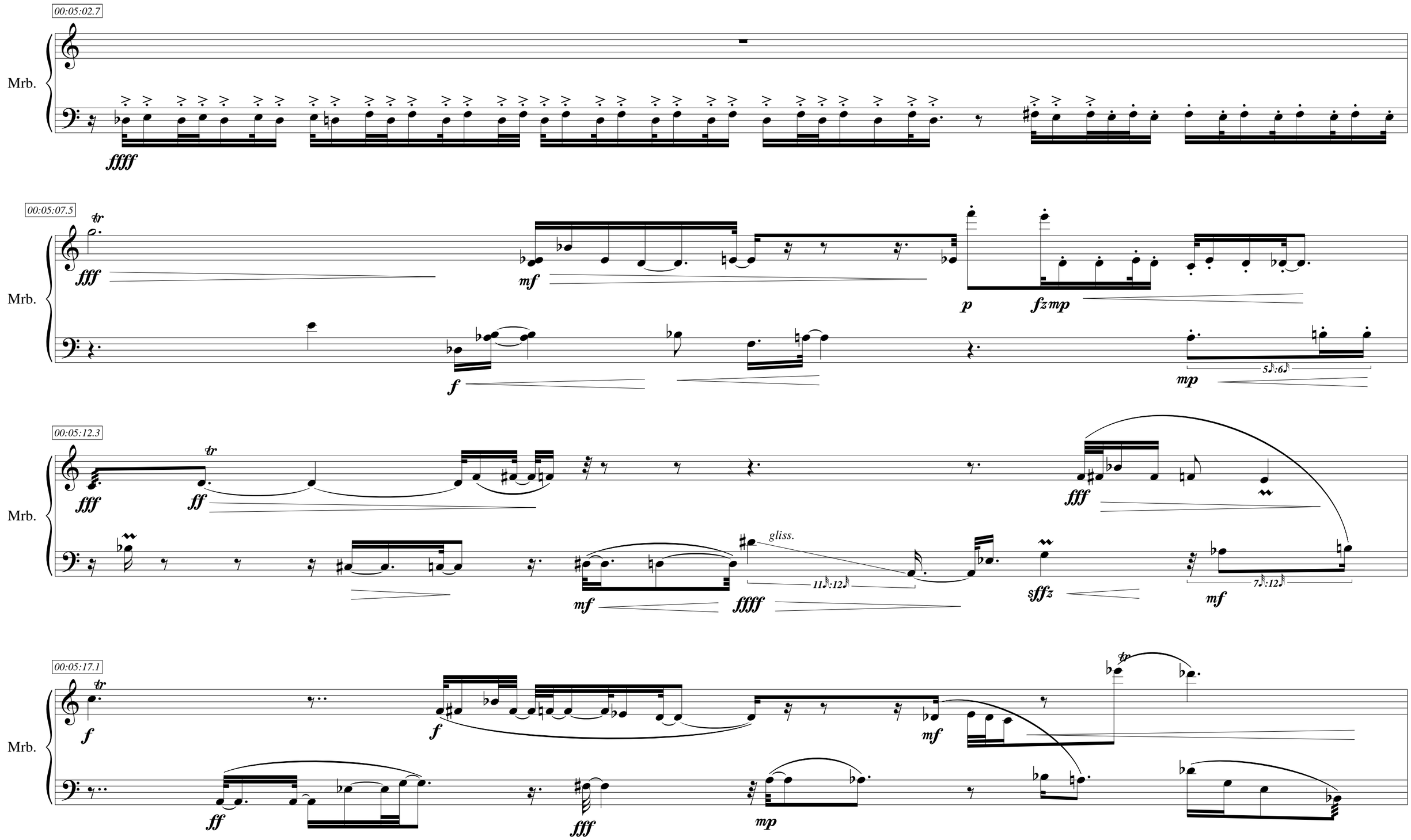

00:02:57.1
sul pont.
cimb.
Ped.
00:03:00.3
ff
00:03:03.5
ord.
cimb.
fff
Ped.
10:12
sffz
00:03:06.7
pp
Ped.
7:12
00:03:09.9
cimb.
f
Ped.
00:03:13.1
mf
p
00:03:16.3
cimb.
f
00:03:19.5
mf
Ped.

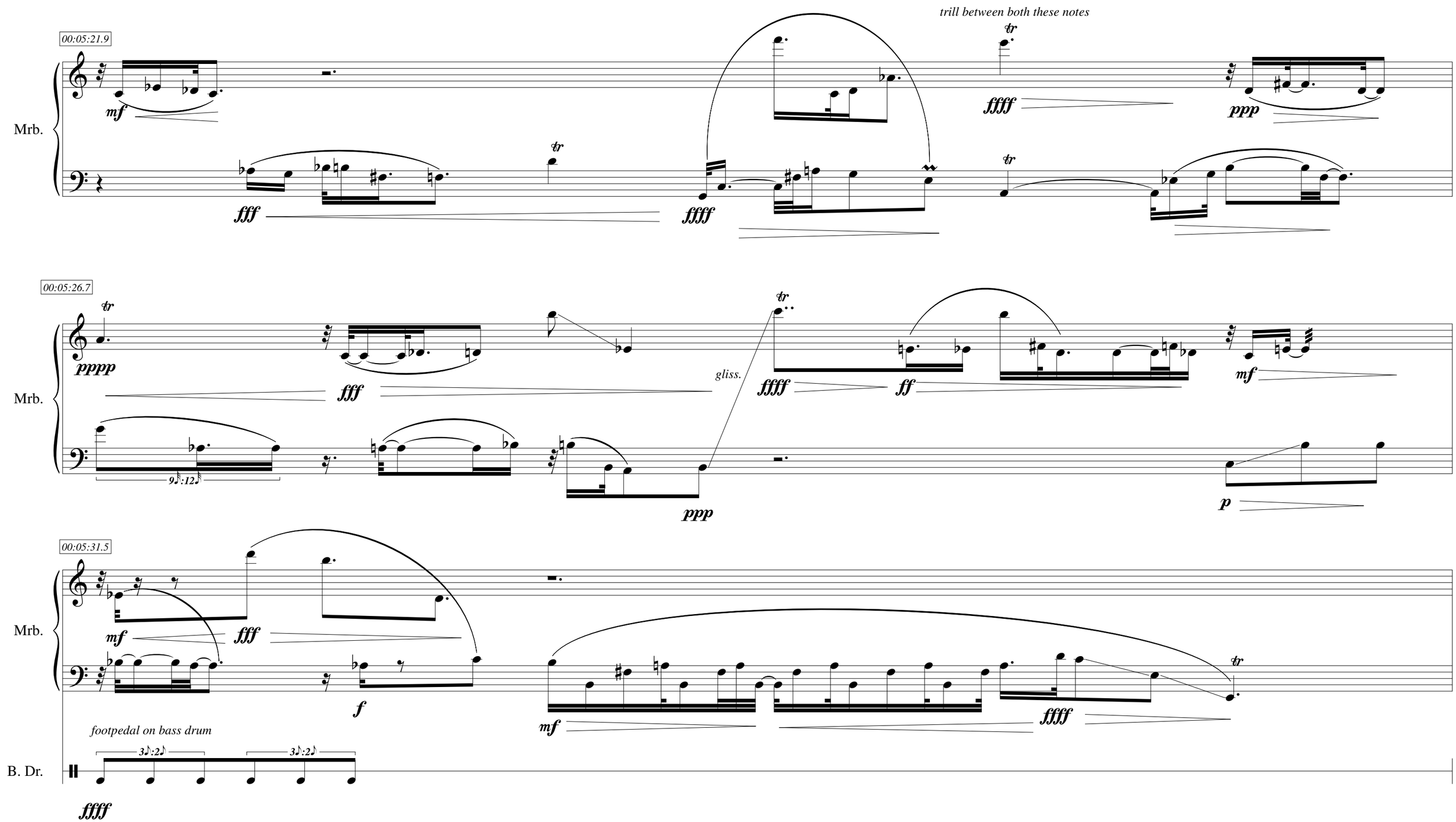

00:03:22.7
00:03:25.9
cimb.
fff
Ped.
ffff
7♪:12♪
toms
ffff
sffz
fff
B. Dr.
ffff
fff
play one hand here on cimbalom and other hand on snare
00:03:29.1
LH
cimb.
mf
Ped.
RH
percussive
S.Dr.
f
3♪:2♪
00:03:32.3
ffff
Ped.
00:03:35.5
cimb.
ffff
fff
Ped.
fp
00:03:38.7
ppp
Mono.
gliss.
f
ff
15/8

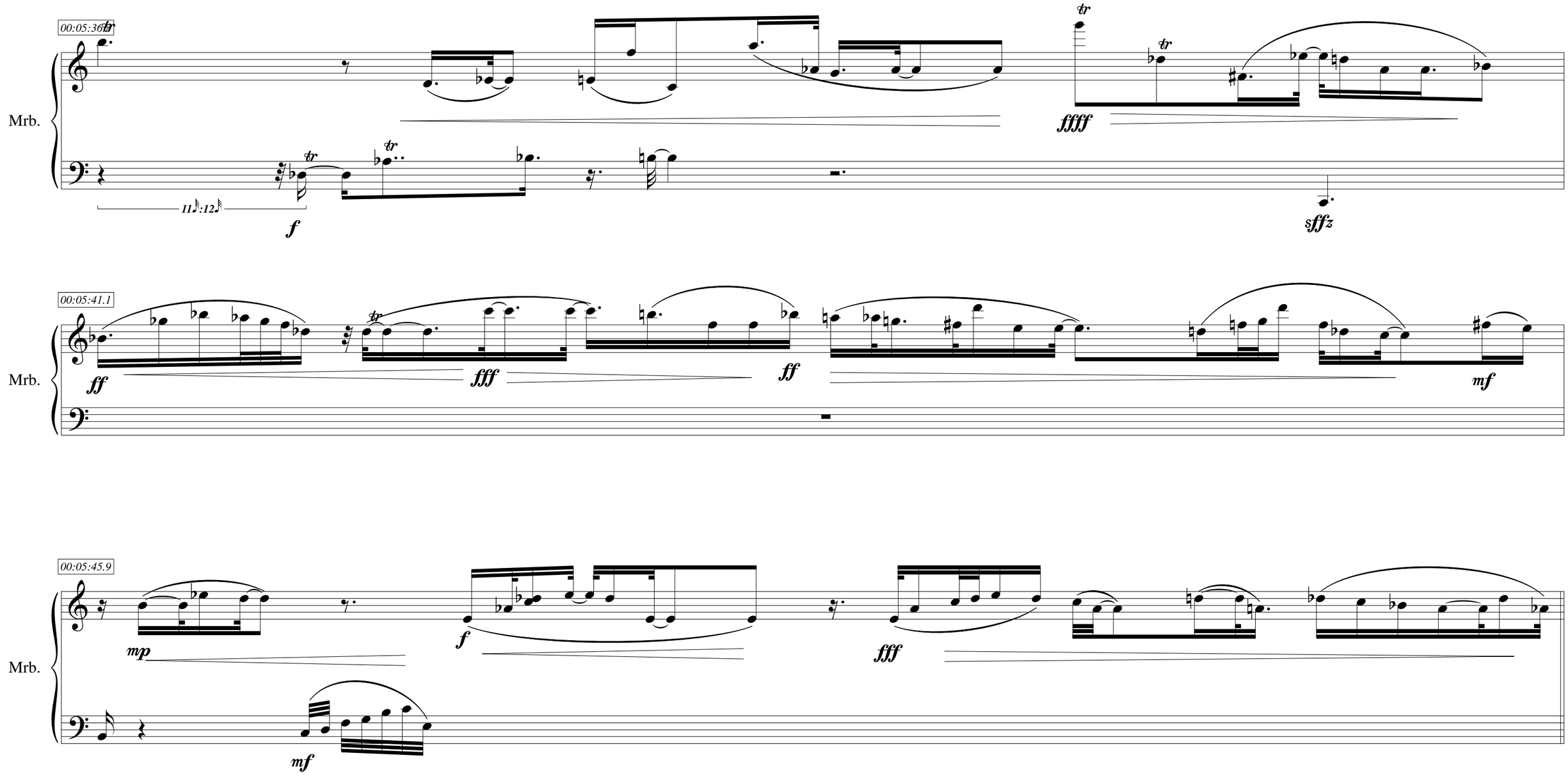
Mrb.
00:03:41.9
yarn-wound mallets
4♪:6♪
p
mp
f
p
ff
00:03:45.9
pp
p
sfz
fp
ff
Mrb.
00:03:49.9
7♪:12♪
mp
p
fff
00:03:53.9
sffz
pppp
mf
Mrb.
00:03:57.9
p fz
mf
fff
ffff
00:04:01.9
f
fff
mf
f

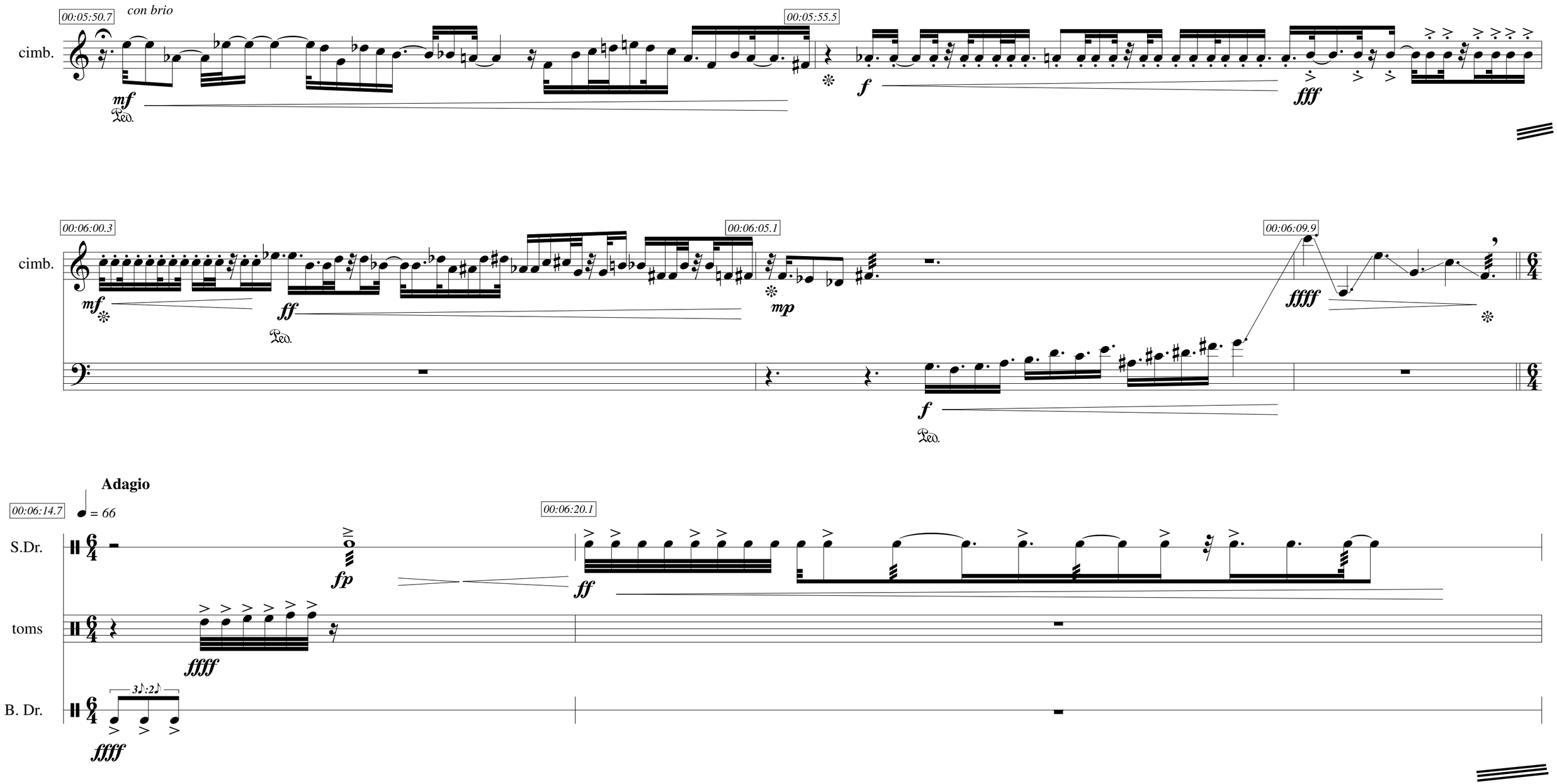

00:04:05.9
Mrb.
f
sfffz
00:04:09.9
fff
ff
f
00:04:13.9
Mrb.
ffff
10𝅘𝅥𝅯:12𝅘𝅥𝅯
fff
00:04:17.9
mf
p
00:04:21.9
Mrb.
pp
ff
fff
00:04:25.9
11𝅘𝅥𝅯:12
tr
fff
pppp
00:04:29.9
Mrb.
mf
fff
f
gliss
f
00:04:33.9
pp
p
ff
fff
mp


00:04:37.9
00:04:41.9
Mrb.
mf
f
pp
f
fff
00:04:45.9
00:04:49.9
Mrb.
ffff
fff
f
ff
fff
tr
tr
00:04:53.9
Mrb.
tr
p
sffz
mf
fff
sffz pp
18
8
18
8
00:04:57.9
Mrb.
18
8
18
8
gliss.
ffff
fff

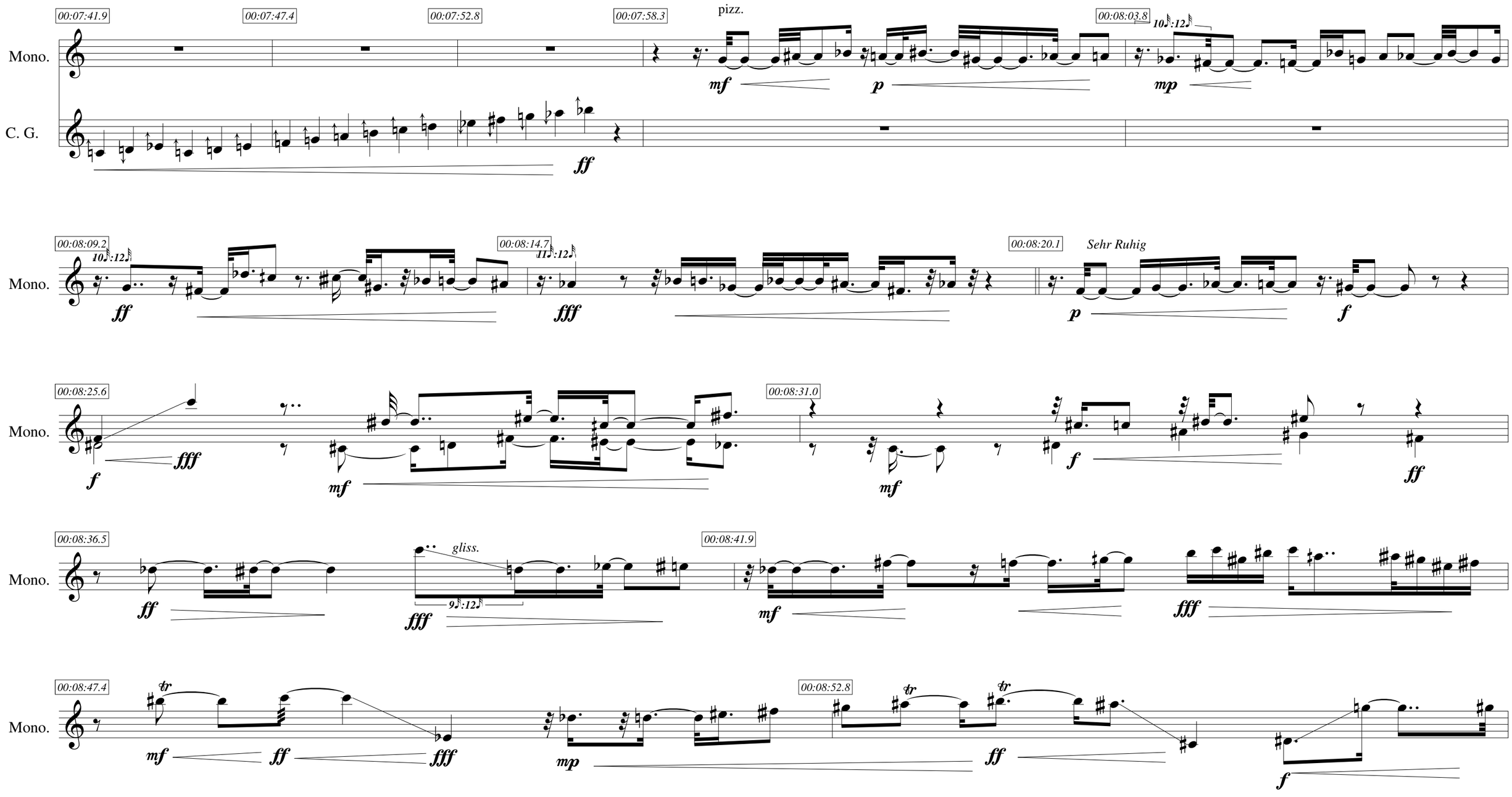

00:05:02.7
Mrb.
ffff
00:05:07.5
Mrb.
fff
mf
f
p
fz mp
mp
5♪:6♪
00:05:12.3
Mrb.
fff
ff
mf
ffff
gliss.
11♪:12♪
sffz
fff
mf
7♪:12♪
00:05:17.1
Mrb.
f
f
mf
ff
fff
mp

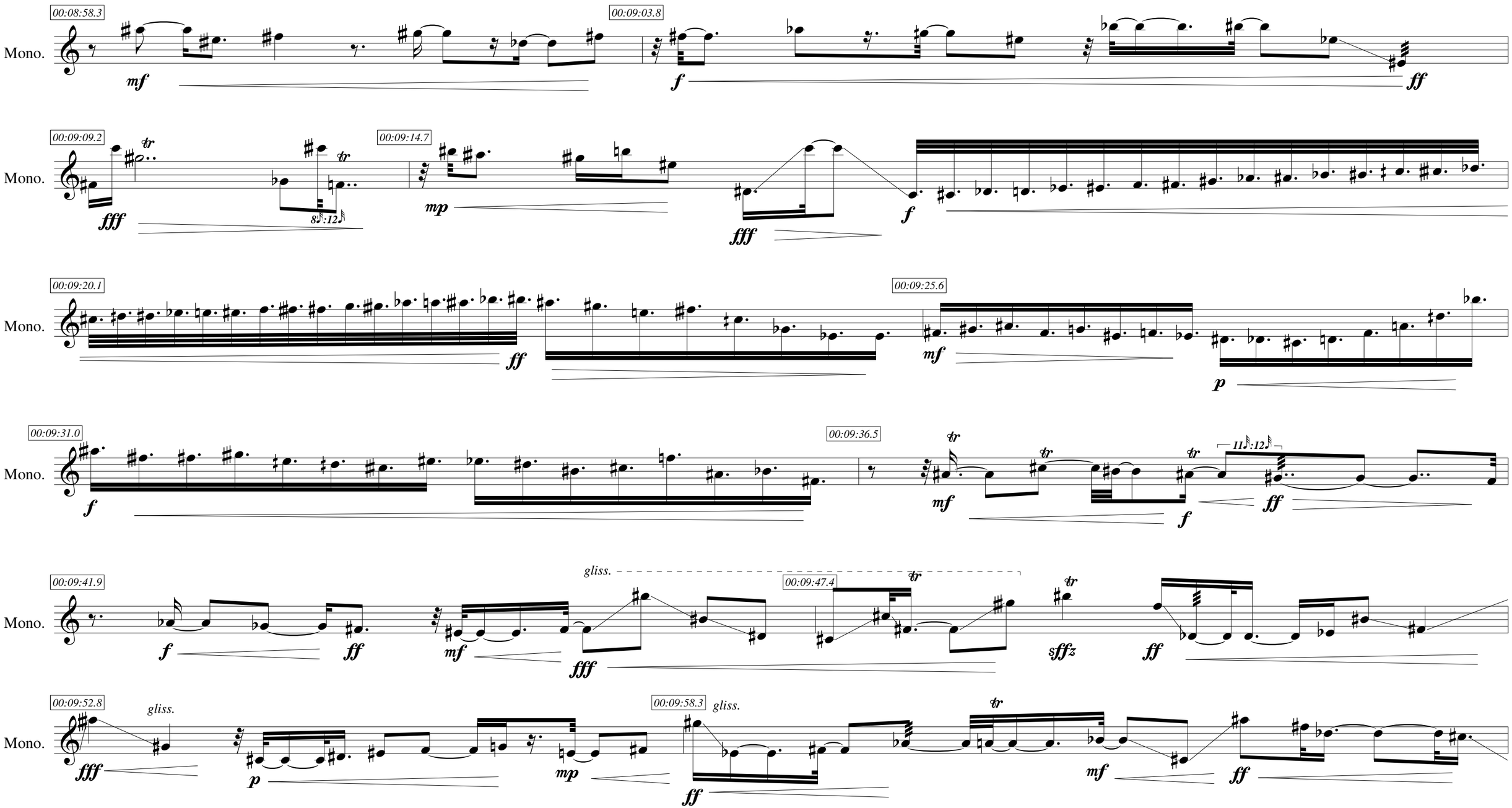

00:05:21.9
Mrb.
mf
fff
ffff
trill between both these notes
ffff
ppp
00:05:26.7
Mrb.
pppp
fff
gliss.
ffff
ff
mf
9♪:12♪
ppp
p
00:05:31.5
Mrb.
mf
fff
f
mf
ffff
footpedal on bass drum
B. Dr.
3♪:2♪
3♪:2♪
ffff

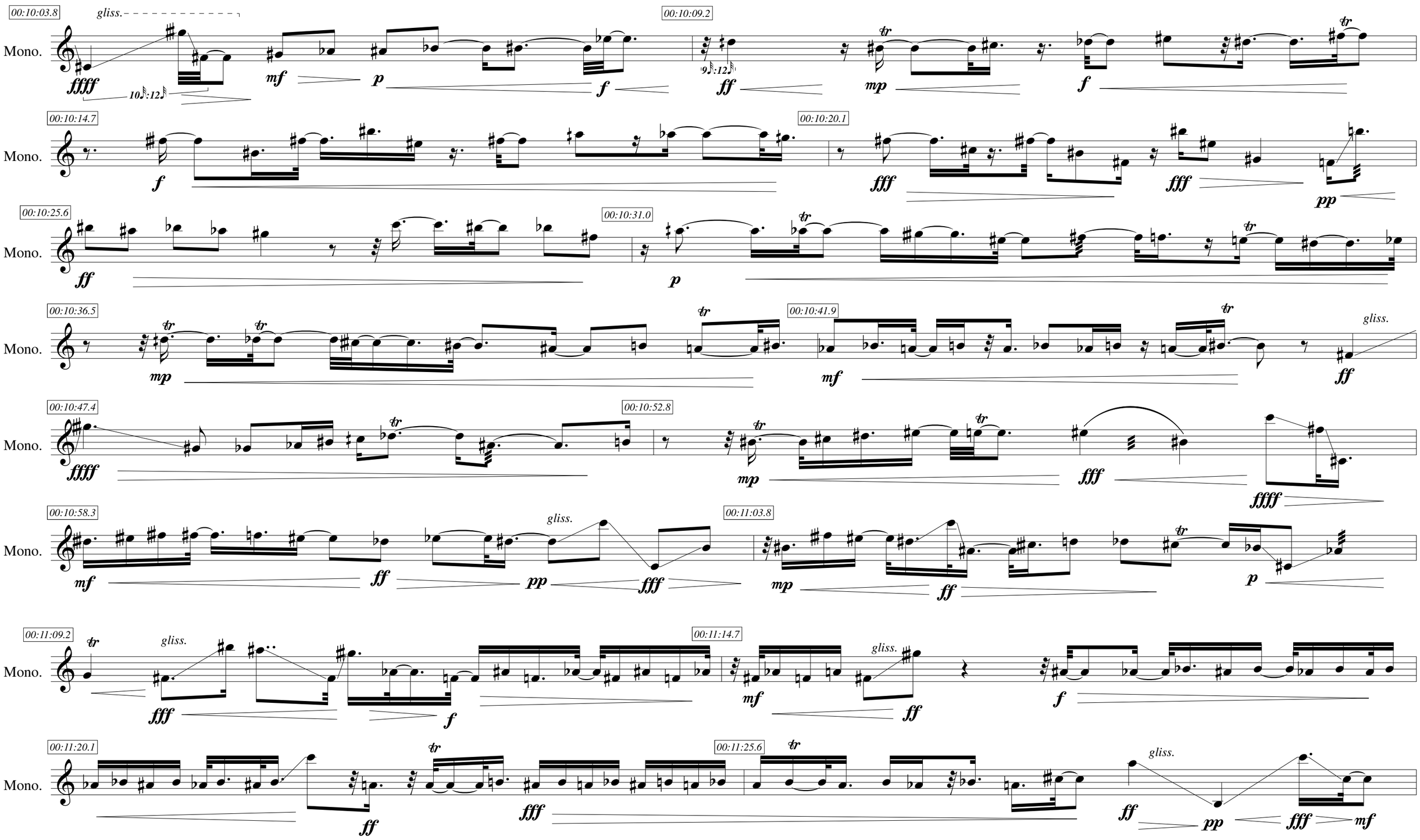

00:05:36.6
Mrb.
11:12
f
ffff
sffz
00:05:41.1
Mrb.
ff
fff
ff
mf
00:05:45.9
Mrb.
mp
f
fff
mf

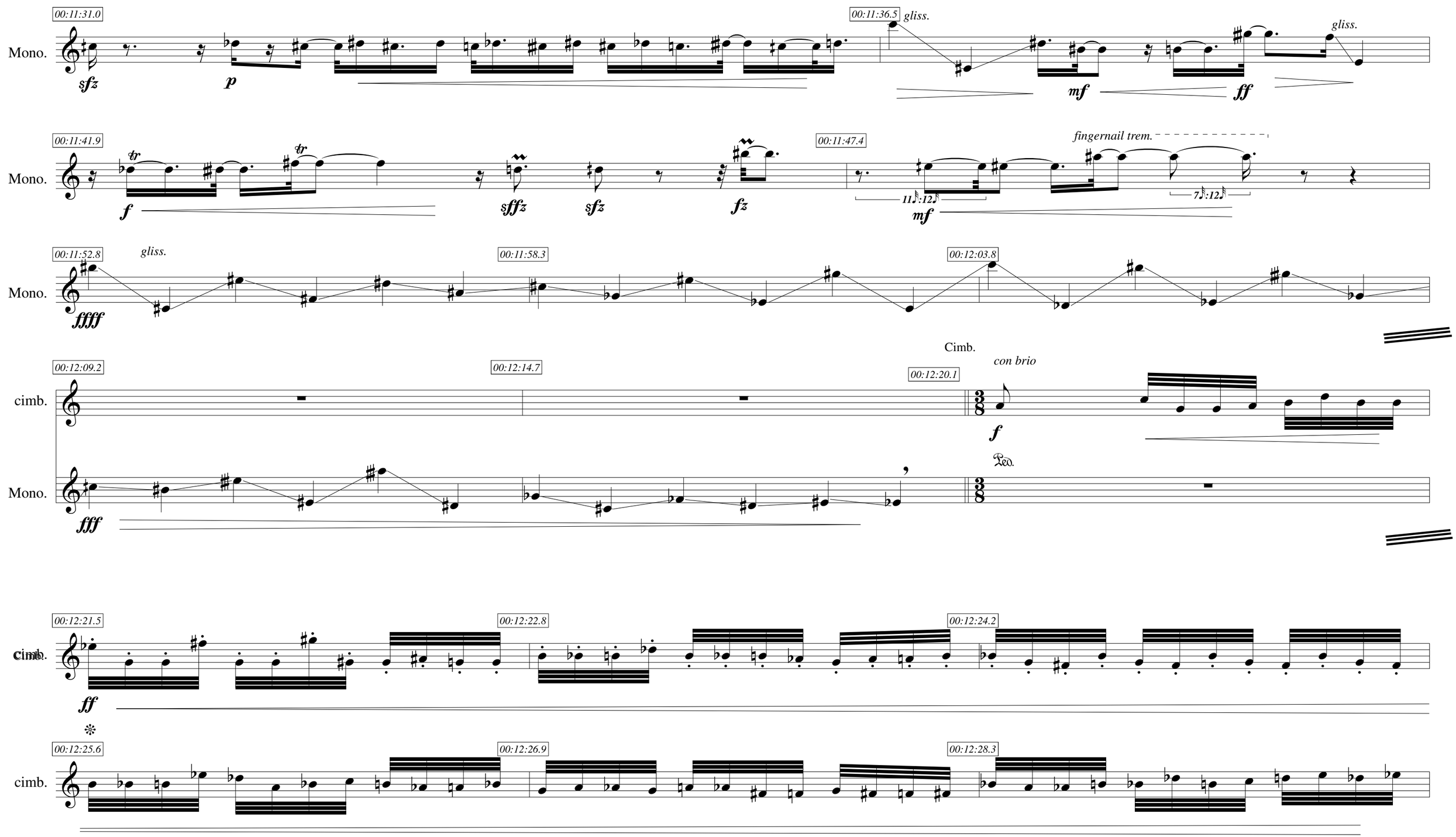

00:05:50.7
con brio
cimb.
mf
Ped.
00:05:55.5
f
fff
00:06:00.3
cimb.
mf
ff
Ped.
00:06:05.1
mp
00:06:09.9
ffff
f
Ped.
Adagio
00:06:14.7
= 66
S.Dr.
fp
00:06:20.1
ff
toms
ffff
B. Dr.
3♪:2♪
ffff

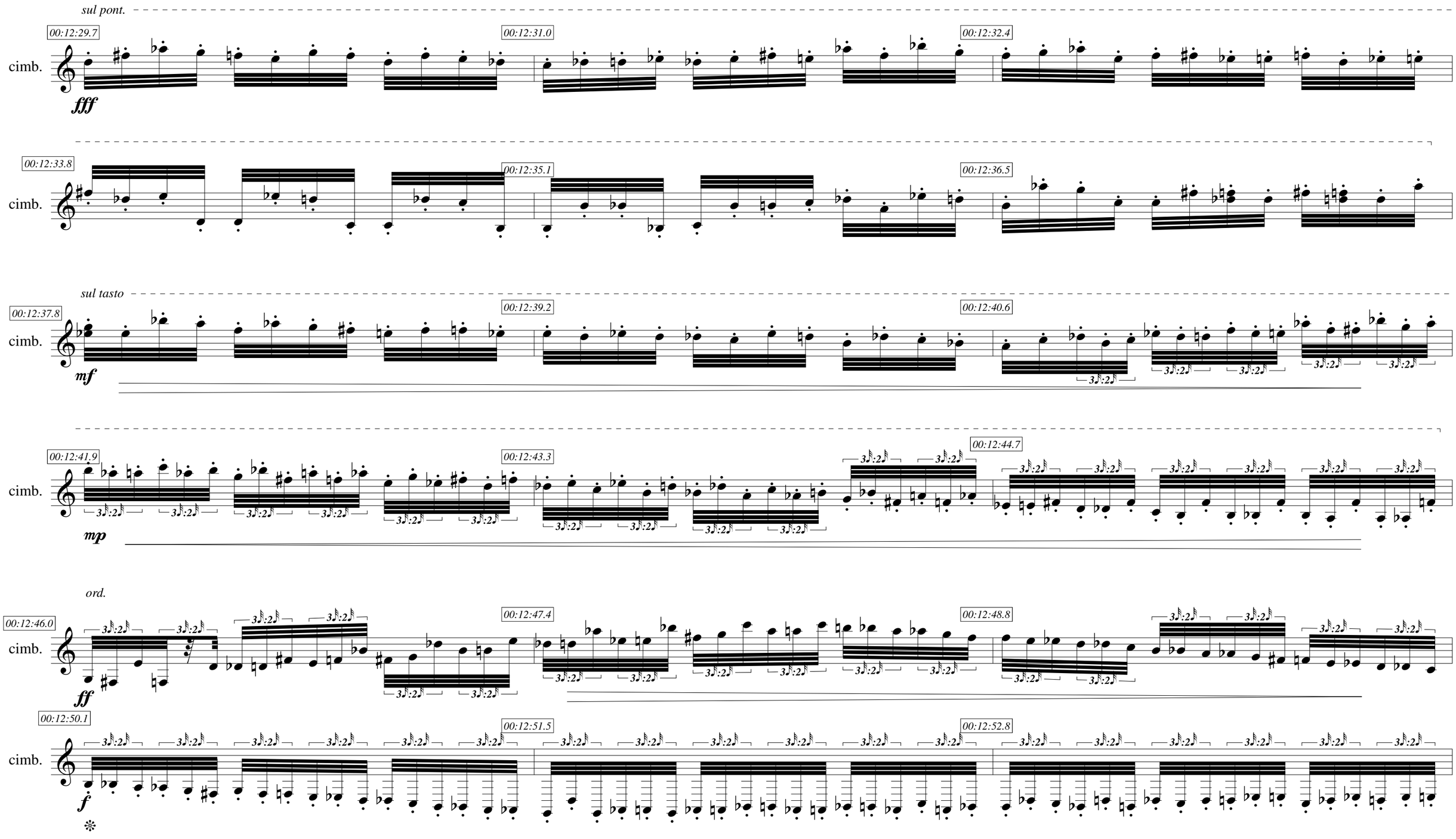
00:06:25.6
00:06:31.0
S.Dr.
toms
B. Dr.
W. Bl.
Maestoso
00:06:36.5
00:06:41.9
00:06:47.4
00:06:52.8
00:06:58.3
00:07:03.8
C. G.
toms
00:07:09.2
00:07:14.7
00:07:20.1
00:07:25.6
00:07:31.0
00:07:36.5
dolce
C. G.

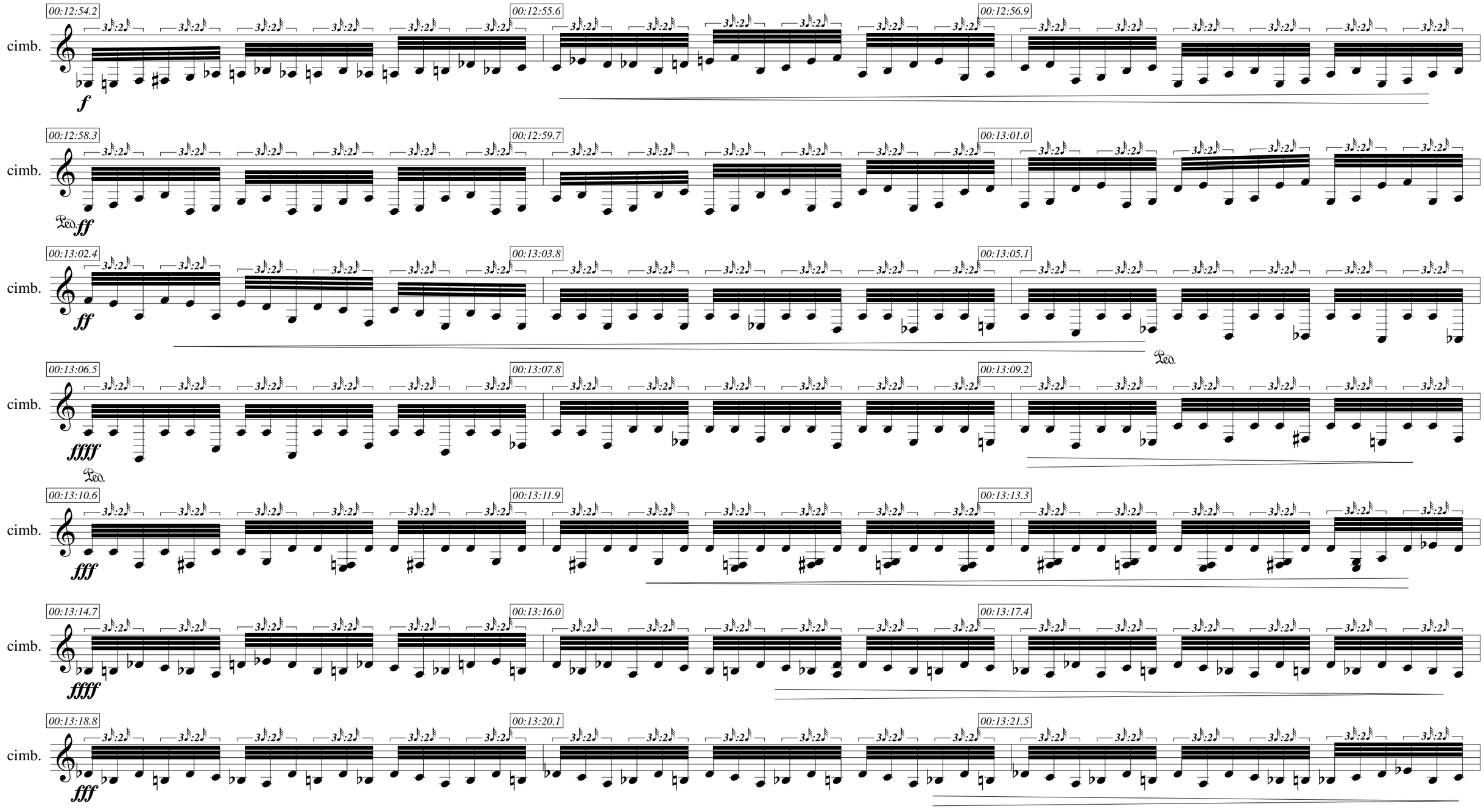

00:07:41.9
00:07:47.4
00:07:52.8
00:07:58.3
pizz.
00:08:03.8
Mono.
C. G.
mf
p
mp
ff
00:08:09.2
00:08:14.7
00:08:20.1
Sehr Ruhig
fff
f
00:08:25.6
00:08:31.0
00:08:36.5
gliss.
00:08:41.9
00:08:47.4
00:08:52.8
tr

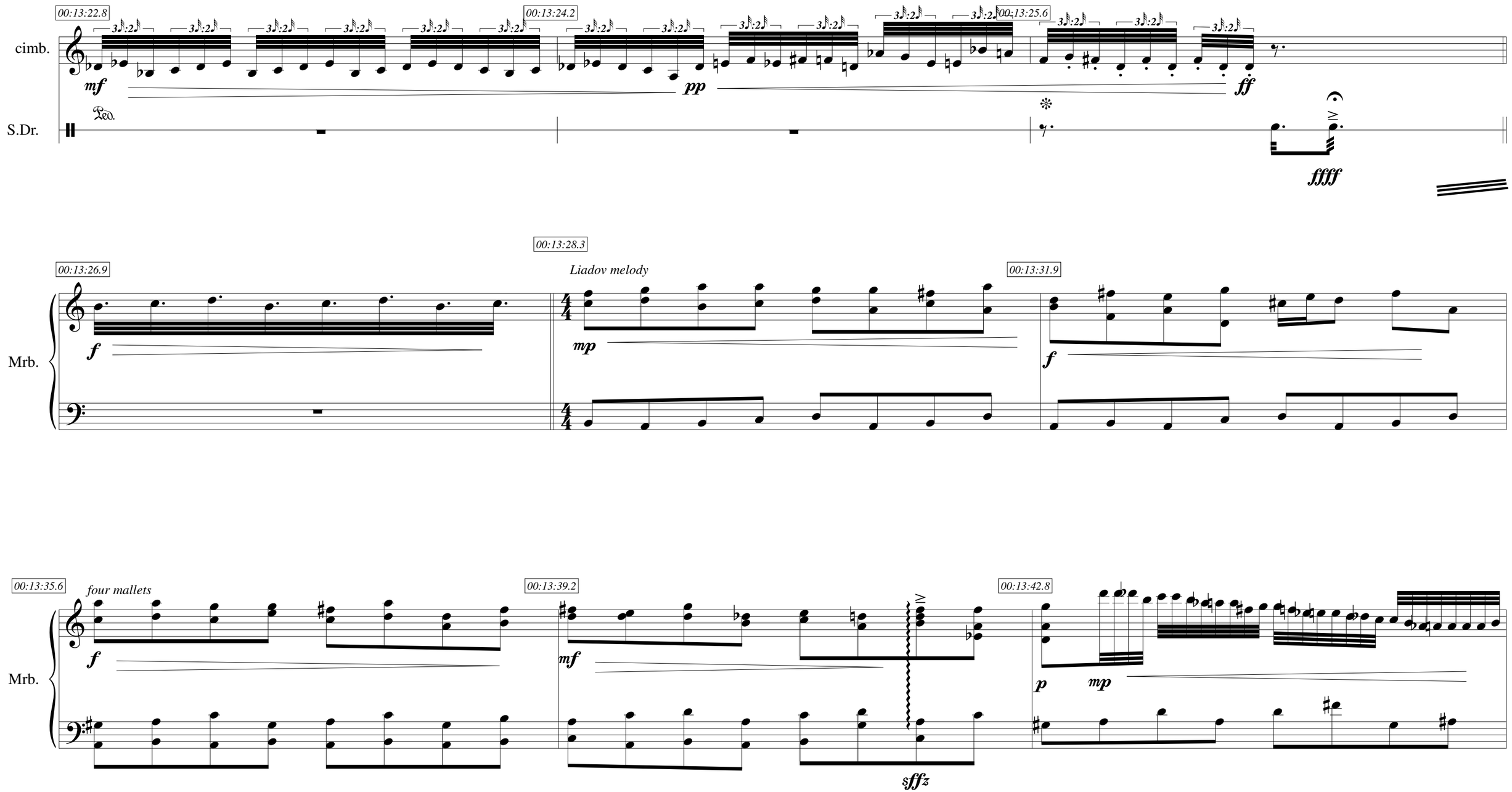

00:08:58.3
Mono.
mf
00:09:03.8
f
ff
00:09:09.2
tr
fff
8:12
00:09:14.7
mp
fff
f
00:09:20.1
ff
00:09:25.6
mf
p
00:09:31.0
f
00:09:36.5
tr
mf
f
11:12
ff
00:09:41.9
f
ff
mf
gliss.
fff
00:09:47.4
sffz
ff
00:09:52.8
gliss.
fff
p
mp
00:09:58.3
gliss.
ff
mf
ff

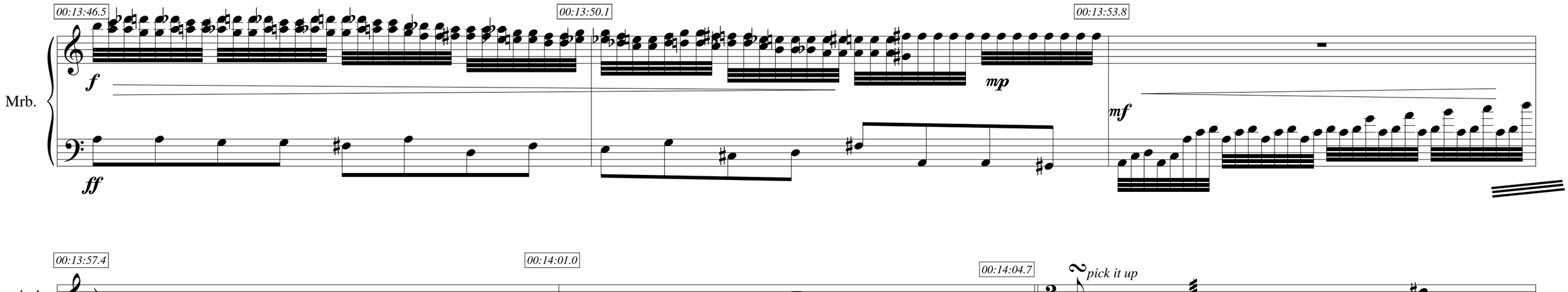

00:10:03.8
gliss.
Mono.
ffff
10:12
mf
p
f
00:10:09.2
9:12
ff
tr
mp
f
00:10:14.7
Mono.
f
00:10:20.1
fff
fff
pp
00:10:25.6
Mono.
ff
00:10:31.0
p
tr
00:10:36.5
Mono.
mp
tr
tr
tr
00:10:41.9
mf
tr
gliss.
ff
00:10:47.4
Mono.
ffff
tr
00:10:52.8
mp
tr
tr
fff
ffff
00:10:58.3
Mono.
mf
ff
gliss.
pp
fff
00:11:03.8
mp
ff
tr
p
00:11:09.2
Mono.
tr
gliss.
fff
f
00:11:14.7
mf
gliss.
ff
f
00:11:20.1
Mono.
ff
tr
fff
00:11:25.6
tr
ff
gliss.
pp
fff
mf

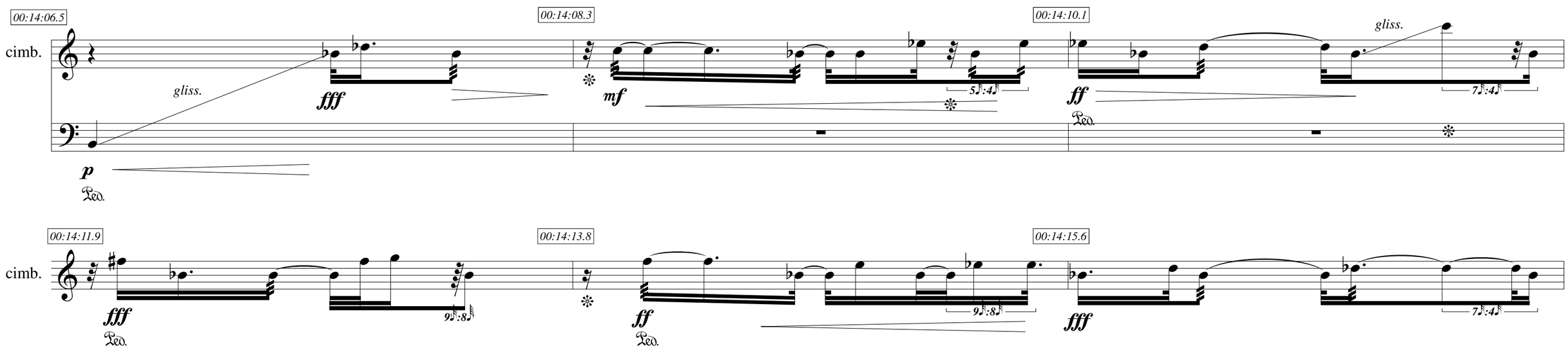

00:11:31.0
Mono.
sfz
p
00:11:36.5
gliss.
mf
ff
gliss.
00:11:41.9
Mono.
tr
tr
f
sffz
sfz
fz
00:11:47.4
fingernail trem.
11:12
mf
7:12
00:11:52.8
gliss.
Mono.
ffff
00:11:58.3
00:12:03.8
00:12:09.2
cimb.
00:12:14.7
Cimb.
con brio
00:12:20.1
f
Ped.
Mono.
fff
00:12:21.5
cimb.
ff
00:12:22.8
00:12:24.2
00:12:25.6
cimb.
00:12:26.9
00:12:28.3

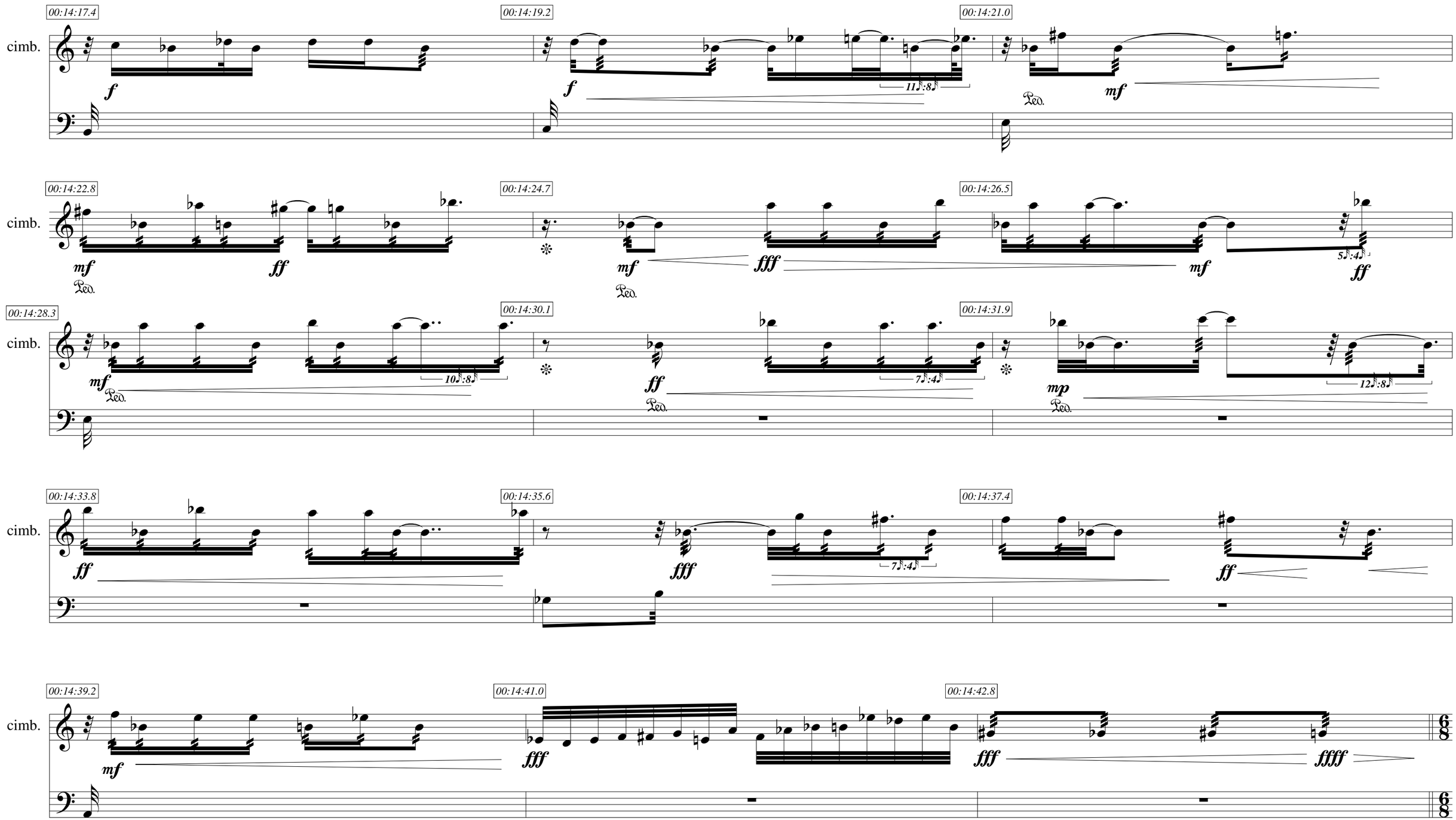

sul pont.
00:12:29.7
00:12:31.0
00:12:32.4
cimb.
fff
00:12:33.8
00:12:35.1
00:12:36.5
cimb.
sul tasto
00:12:37.8
00:12:39.2
00:12:40.6
cimb.
mf
3:2
00:12:41.9
00:12:43.3
00:12:44.7
cimb.
mp
ord.
00:12:46.0
00:12:47.4
00:12:48.8
cimb.
ff
00:12:50.1
00:12:51.5
00:12:52.8
cimb.
f

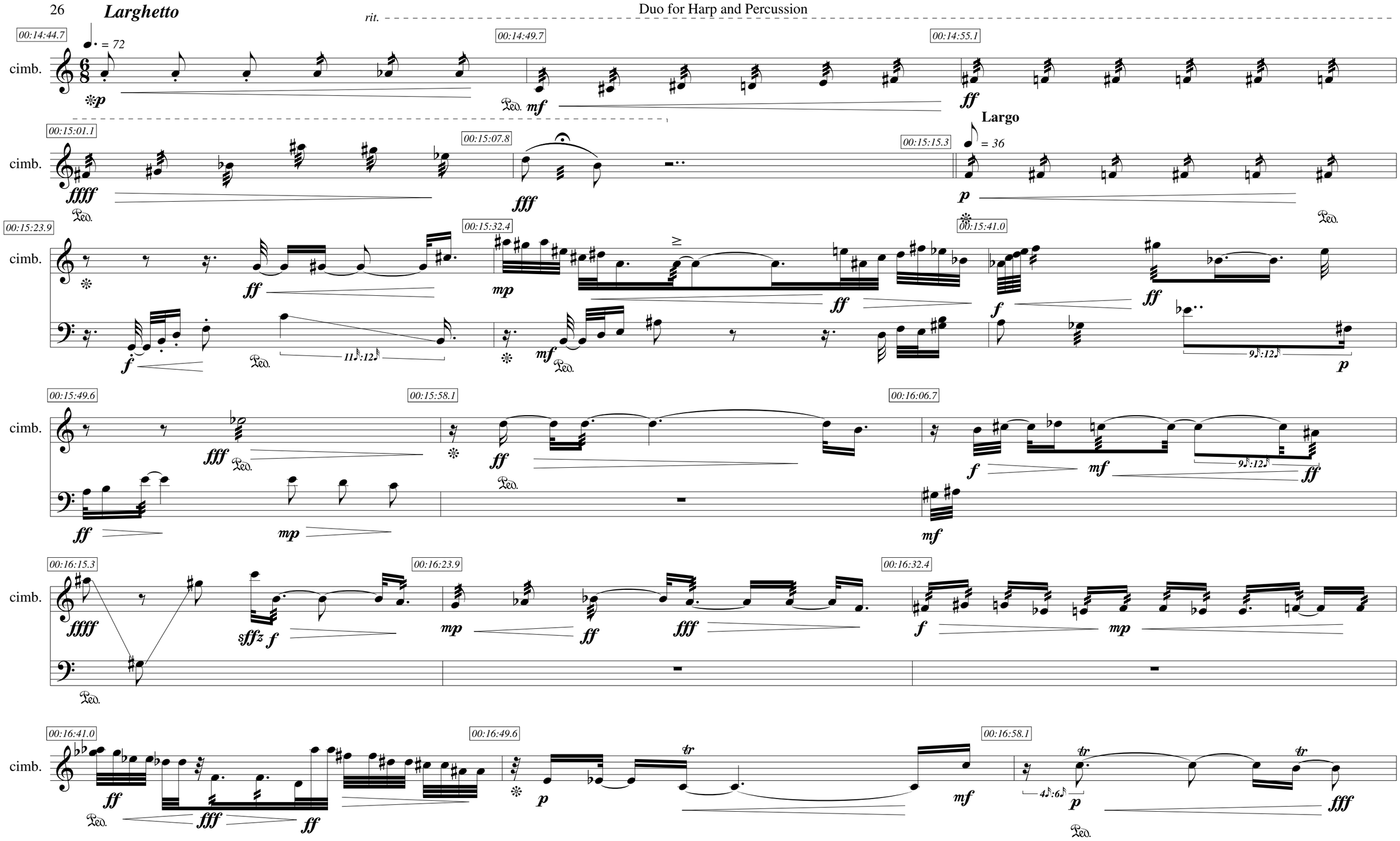

00:12:54.2
00:12:55.6
00:12:56.9
cimb.
f
00:12:58.3
00:12:59.7
00:13:01.0
cimb.
Ped.
ff
00:13:02.4
00:13:03.8
00:13:05.1
cimb.
ff
Ped.
00:13:06.5
00:13:07.8
00:13:09.2
cimb.
ffff
Ped.
00:13:10.6
00:13:11.9
00:13:13.3
cimb.
fff
00:13:14.7
00:13:16.0
00:13:17.4
cimb.
ffff
00:13:18.8
00:13:20.1
00:13:21.5
cimb.
fff

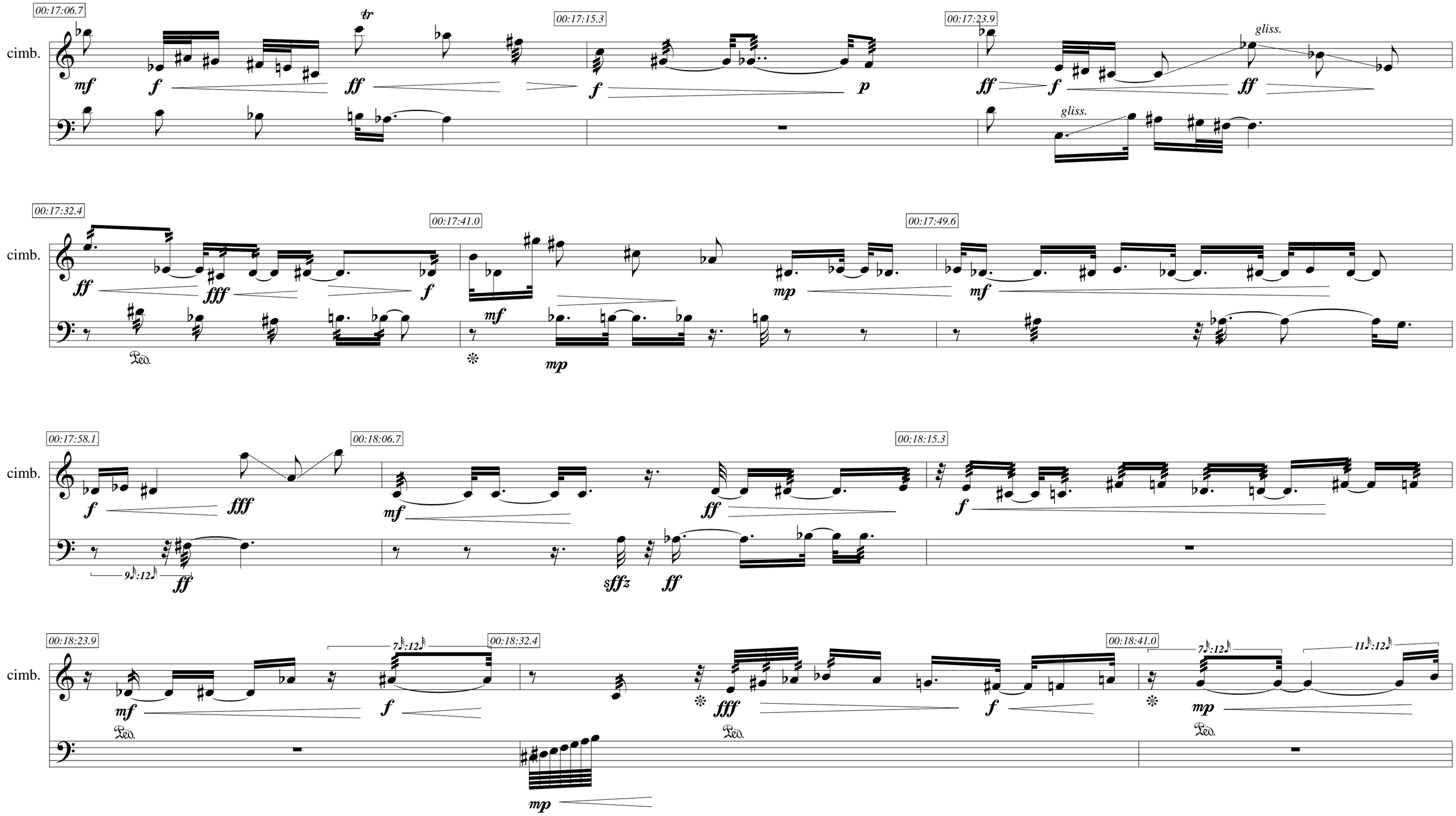

00:13:22.8
00:13:24.2
00:13:25.6
cimb.
mf
pp
ff
S.Dr.
ffff
00:13:26.9
00:13:28.3
Liadov melody
00:13:31.9
Mrb.
f
mp
f
00:13:35.6
four mallets
00:13:39.2
00:13:42.8
Mrb.
f
mf
sffz
p
mp

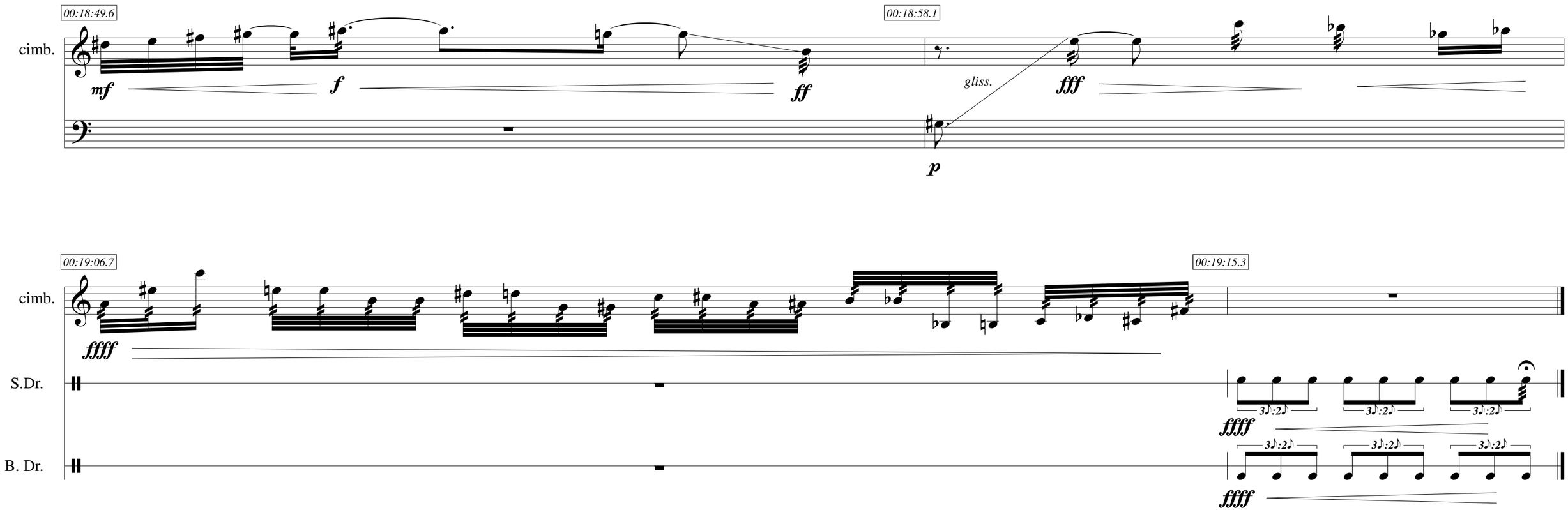

00:13:46.5
00:13:50.1
00:13:53.8
Mrb.
f
ff
mp
mf
00:13:57.4
00:14:01.0
00:14:04.7
cimb.
pick it up
f
mp


00:14:06.5
00:14:08.3
00:14:10.1
cimb.
gliss.
fff
mf
ff
p
Ped.
5♪:4♪
7♪:4♪
00:14:11.9
00:14:13.8
00:14:15.6
9♪:8♪


00:14:17.4
00:14:19.2
00:14:21.0
cimb.
f
f
11♪:8♪
Ped.
mf
00:14:22.8
00:14:24.7
00:14:26.5
cimb.
mf
ff
Ped.
mf
fff
Ped.
mf
5♪:4♪
ff
00:14:28.3
00:14:30.1
00:14:31.9
cimb.
mf
Ped.
10♪:8♪
ff
Ped.
7♪:4♪
mp
Ped.
12♪:8♪
00:14:33.8
00:14:35.6
00:14:37.4
cimb.
ff
fff
7♪:4♪
ff
00:14:39.2
00:14:41.0
00:14:42.8
cimb.
mf
fff
fff
ffff


Larghetto
rit.
cimb.
00:14:44.7
00:14:49.7
00:14:55.1
00:15:01.1
00:15:07.8
00:15:15.3
Largo
00:15:23.9
00:15:32.4
00:15:41.0
00:15:49.6
00:15:58.1
00:16:06.7
00:16:15.3
00:16:23.9
00:16:32.4
00:16:41.0
00:16:49.6
00:16:58.1


00:17:06.7
cimb.
mf
f
tr
ff
00:17:15.3
f
p
00:17:23.9
ff
f
gliss.
ff
gliss.
00:17:32.4
cimb.
ff
fff
f
Ped.
00:17:41.0
mf
mp
00:17:49.6
mp
mf
00:17:58.1
cimb.
f
fff
9:12
ff
00:18:06.7
mf
sffz
ff
00:18:15.3
f
00:18:23.9
cimb.
mf
Ped.
7:12
f
00:18:32.4
mp
fff
Ped.
f
00:18:41.0
7:12
mp
Ped.
11:12


00:18:49.6
cimb.
mf
f
ff
00:18:58.1
gliss.
fff
p
00:19:06.7
cimb.
ffff
00:19:15.3
S.Dr.
3♪:2♪
ffff
B. Dr.
3♪:2♪
ffff